

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/532,386  
Source: PU/10  
Date Processed by STIC: 4/29/05

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

## Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10/532,386</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u>    </u> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u>    </u> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u>    </u> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u>    </u> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u>    </u> Variable Length	Sequence(s) <u>        </u> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <u>    </u> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <u>        </u> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <u>    </u> Skipped Sequences (OLD RULES)	Sequence(s) <u>        </u> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u>    </u> Skipped Sequences (NEW RULES)	Sequence(s) <u>        </u> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <u>    </u> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <u>    </u> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u>    </u> Use of <220>	Sequence(s) <u>        </u> missing the <220> "Feature" and associated numeric identifiers and responses Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u>    </u> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <u>    </u> Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



PCT

## RAW SEQUENCE LISTING

DATE: 04/29/2005

PATENT APPLICATION: US/10/532,386

TIME: 17:08:36

Input Set : A:\PZ0282.ST25.txt

Output Set: N:\CRF4\04292005\J532386.raw

3 <110> APPLICANT: Brauers, Georg  
 4 Farrar, Gillian  
 5 Barnett, David Jonathan  
 6 Wadsworth, Harry John  
 7 Lewis, Joanne Sarah  
 9 <120> TITLE OF INVENTION: Improved Complex Compositions  
 11 <130> FILE REFERENCE: PZ0282  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/532,386  
 C--> 13 <141> CURRENT FILING DATE: 2005-04-21  
 13 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/004573  
 14 <151> PRIOR FILING DATE: 2003-10-24  
 16 <160> NUMBER OF SEQ ID NOS: 13  
 18 <170> SOFTWARE: PatentIn version 3.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 5  
 22 <212> TYPE: PRT  
 23 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: Peptide  
 28 <400> SEQUENCE: 1  
 30 Tyr Ile Gly Ser Arg  
 31 1 5  
 34 <210> SEQ ID NO: 2  
 35 <211> LENGTH: 5  
 36 <212> TYPE: PRT  
 37 <213> ORGANISM: Artificial Sequence  
 39 <220> FEATURE:  
 40 <223> OTHER INFORMATION: Peptide  
 42 <400> SEQUENCE: 2  
 44 Pro Asp Ser Gly Arg  
 45 1 5  
 48 <210> SEQ ID NO: 3  
 49 <211> LENGTH: 5  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: Peptide  
 56 <400> SEQUENCE: 3  
 58 Ile Lys Val Ala Val  
 59 1 5  
 62 <210> SEQ ID NO: 4  
 63 <211> LENGTH: 3  
 64 <212> TYPE: PRT

pp 1-3

Does Not Comply  
Corrected Diskette Needed

insufficient explanation for Artificial Sequence  
(give source of genetic material)  
see item 11 on Error

summary  
sheet

same error

## RAW SEQUENCE LISTING

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Input Set : A:\PZ0282.ST25.txt

Output Set: N:\CRF4\04292005\J532386.raw

65 <213> ORGANISM: Artificial Sequence  
67 <220> FEATURE:  
68 <223> OTHER INFORMATION: Peptide  
70 <400> SEQUENCE: 4  
72 Leu Arg Glu  
73 1  
76 <210> SEQ ID NO: 5  
77 <211> LENGTH: 15  
78 <212> TYPE: PRT  
79 <213> ORGANISM: Artificial Sequence  
81 <220> FEATURE:  
82 <223> OTHER INFORMATION: Peptide  
84 <400> SEQUENCE: 5  
86 Lys Cys Gln Ala Gly Thr Phe Ala Leu Arg Gly Asp Pro Gln Gly  
87 1 5 10 15  
90 <210> SEQ ID NO: 6  
91 <211> LENGTH: 14  
92 <212> TYPE: PRT  
93 <213> ORGANISM: Artificial Sequence  
95 <220> FEATURE:  
96 <223> OTHER INFORMATION: Peptide  
98 <400> SEQUENCE: 6  
100 Asn Gln Glu Gln Val Ser Pro Leu Thr Leu Thr Leu Leu Lys  
101 1 5 10  
104 <210> SEQ ID NO: 7  
105 <211> LENGTH: 15  
106 <212> TYPE: PRT  
107 <213> ORGANISM: Artificial Sequence  
109 <220> FEATURE:  
110 <223> OTHER INFORMATION: Peptide  
112 <400> SEQUENCE: 7  
114 Asn Gln Glu Gln Val Ser Pro Leu Thr Leu Thr Leu Leu Lys Gly  
115 1 5 10 15  
118 <210> SEQ ID NO: 8  
119 <211> LENGTH: 15  
120 <212> TYPE: PRT  
121 <213> ORGANISM: Artificial Sequence  
123 <220> FEATURE:  
124 <223> OTHER INFORMATION: Peptide  
126 <400> SEQUENCE: 8  
128 Asn Gln Glu Ala Val Ser Pro Leu Thr Leu Thr Leu Leu Lys Gly  
129 1 5 10 15  
132 <210> SEQ ID NO: 9  
133 <211> LENGTH: 6  
134 <212> TYPE: PRT  
135 <213> ORGANISM: Artificial Sequence  
137 <220> FEATURE:  
138 <223> OTHER INFORMATION: Peptide  
140 <400> SEQUENCE: 9

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/532,386

DATE: 04/29/2005

TIME: 17:08:36

Input Set : A:\PZ0282.ST25.txt

Output Set: N:\CRF4\04292005\J532386.raw

142 Asn Gln Glu Gln Val Gly  
143 1 5  
146 <210> SEQ ID NO: 10  
147 <211> LENGTH: 10  
148 <212> TYPE: PRT  
149 <213> ORGANISM: Artificial Sequence  
151 <220> FEATURE:  
152 <223> OTHER INFORMATION: Peptide  
154 <400> SEQUENCE: 10  
156 Leu Gly Pro Gly Gln Ser Lys Val Ile Gly  
157 1 5 10  
160 <210> SEQ ID NO: 11  
161 <211> LENGTH: 4  
162 <212> TYPE: PRT  
163 <213> ORGANISM: Artificial Sequence  
165 <220> FEATURE:  
166 <223> OTHER INFORMATION: Peptide  
168 <400> SEQUENCE: 11  
170 Asn Gln Glu Gln  
171 1  
174 <210> SEQ ID NO: 12  
175 <211> LENGTH: 13  
176 <212> TYPE: PRT  
177 <213> ORGANISM: Artificial Sequence  
179 <220> FEATURE:  
180 <223> OTHER INFORMATION: Peptide  
182 <220> FEATURE:  
183 <221> NAME/KEY: MISC\_FEATURE  
184 <222> LOCATION: (8)..(8)  
185 <223> OTHER INFORMATION: Xaa is Tyr or I-Tyr (ie. iodo-tyrosine)  
188 <400> SEQUENCE: 12  
OK 190 Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly  
191 1 5 10  
194 <210> SEQ ID NO: 13  
195 <211> LENGTH: 13  
196 <212> TYPE: PRT  
197 <213> ORGANISM: Artificial Sequence  
199 <220> FEATURE:  
200 <223> OTHER INFORMATION: Peptide  
202 <400> SEQUENCE: 13  
204 Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Lys Gly  
205 1 5 10

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DATE: 04/29/2005  
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Input Set : A:\PZ0282.ST25.txt  
Output Set: N:\CRF4\04292005\J532386.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; Xaa Pos. 8

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/532,386

DATE: 04/29/2005

TIME: 17:08:37

Input Set : A:\PZ0282.ST25.txt

Output Set: N:\CRF4\04292005\J532386.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0